Index of Claims

|  | Ap | plic | atior | 1/Co | ntrol | No. |
|--|----|------|-------|------|-------|-----|
|--|----|------|-------|------|-------|-----|

Applicant(s)/Patent under Reexamination JOHNSON ET AL.

10/750,417

Examiner

Art Unit

Jacques M. Saint-Surin

2856

| <b>√</b> | Rejected |
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|          | Allowed  |

| - | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
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| la | im       |              |  |              | C                | ate            | ,                |           |  | $\neg$  |   | Cla         | im       |          |          |                             |              | Date  | •        |  |          |              |
|----|----------|--------------|--|--------------|------------------|----------------|------------------|-----------|--|---|---|-------------|----------|----------|----------|-----------------------------|--------------|---|----------|--|----------|--------------|
| ٦  |          |              |  | $\neg$       |                  |                |                  |           |  |   | Ì |             |          |          |          |                             |              |   |          |  |          |              |
| ı  | Original | 3/14/07      |  |              |                  |                | ł                | ļ         |  |   |   | <u>_</u>    | Original |          |          |                             |              |   |          |  |          |              |
|    | igi      | 4/           |  |              |                  |                |                  |           |  |   |   | Final       | į        |          |          |                             |              |   |          |  |          |              |
|    | ŏ        | 3            |  | .            |                  |                |                  |           |  |   |   | ш           | ŏ        |          |          |                             |              |   |          |  |          |              |
|    |          |              | Ш  |              |                  |                | _                | _         | _  | _   |   |             |          | _        | _        | _                           |              |   |          |  |          |              |
|    | 1        | 1            |  |              |                  |                |                  |           |  | Ш   |   |             | 51       |          |          |                             |              |   |          |  |          |              |
|    | 2        |              |  |              |                  |                |                  |           |  |   |   |             | 52       |          |          |                             |              |   |          |  |          |              |
|    | 3        |              |  |              |                  |                |                  |           |  |   | į |             | 53       |          |          |                             |              |   |          |  |          |              |
| ٦  | 4        |              |  |              |                  |                |                  |           |  | $\Box$  |   |             | 54       |          |          |                             |              |   |          |  |          |              |
| _  | 5        | V            | Н  |              | $\neg$           |                |                  | $\neg$    |  | П   | 1 |             | 55       | $\vdash$ |          |                             |              |   |          |  |          |              |
| -  | 6        | ì            | Н  | -            | -                |                | $\dashv$         |           | $\dashv$   | -   |   |             | 56       | Н        | _        | =                           |              | Н   | -        | H  |          |              |
| 4  |          | Н            | Н  | Н            |                  |                | -                | -         |  |   |   |             | 57       | Н        |          | =                           |              | $\vdash$  | -        | -  | -        | _            |
| 4  | 7        | Щ            | $\vdash$   |              | _                |                |                  |           |  | $\vdash$  |   |             |          | $\vdash$ |          |                             |              | ⊢   | ⊢        | H  |          |              |
| ┙  | 8        | Щ            |  |              |                  |                | _                | _         | _  |   |   |             | 58       | Ш        |          |                             |              | _   | ╙        |  | _        |              |
|    | 9        |              |  |              |                  |                |                  |           |  |   |   |             | 59       | Ш        |          |                             |              | _   | L_       | _  |          |              |
|    | 10       | ¥.           |  |              |                  |                |                  |           |  |   |   |             | 60       | Ш        |          |                             |              |   |          |  |          |              |
|    | 11       | П            |  |              |                  |                |                  |           |  |   |   |             | 61       |          |          |                             |              |   |          |  |          |              |
|    | 12       | Ħ            |  |              |                  |                |                  |           |  |   |   |             | 62       |          |          |                             |              |   |          |  |          |              |
| -  | 13       | $\vdash$     | $\vdash$   |              | Н                | Н              | $\vdash$         |           |  | $\vdash$  |   |             | 63       | П        |          |                             |              |   | $\vdash$ | Г  |          | Г            |
| -  | 14       | H            |  | $\vdash$     | $\vdash$         | -              |                  | $\dashv$  | $\dashv$   | $\vdash$  |   | <del></del> | 64       | Н        | _        | -                           |              | $\vdash$  | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$     |
| 4  |          |              | -  | $\vdash$     | <u> </u>         | -              |                  | Н         |  | Н   |   | <del></del> | 65       | $\vdash$ | _        | -                           |              | $\vdash$  | $\vdash$ | $\vdash$   | $\vdash$ | <del> </del> |
| _  | 15       | 1            | _  |              | Щ                |                |                  |           |  | Н   |   |             | 65       | $\vdash$ |          | _                           |              | ├-  | -        | <del> </del>                                     | <u> </u> |              |
|    | 16       | $\perp$      | <u> </u>   |              | $\Box$           | Ŀ              | Ш                | $\square$ |  | Ш   |   | L           | 66       | Ш        | _        | <u> </u>                    |              | <u> </u>  | $\vdash$ | <u> </u>   | <u> </u> |              |
| -  | 17       |              |  |              |                  |                |                  |           |  |   |   |             | 67       |          |          |                             |              | <u>_</u>  | 匚        | L  | _        |              |
|    | 18       | П            |  |              |                  |                |                  |           |  |   |   |             | 68       |          |          |                             |              |   |          |  |          |              |
| _  | 19       |              |  |              |                  |                |                  |           |  | П   |   |             | 69       |          |          |                             |              |   | Г        | Γ  |          |              |
| _  | 20       | 1            | 1  | _            |                  | ┢              |                  | $\Box$    |  | Н   |   |             | 70       |          |          |                             |              |   |          |  |          |              |
|    |          | <u> </u>     | <del>} −</del>                                   | ├            | $\vdash$         |                | _                | -         | -  | Н   |   |             | 71       | $\vdash$ |          | Н                           |              | $\vdash$  | _        | <del>                                     </del> | $\vdash$ | $\vdash$     |
| _  | 21       | <del> </del> | ├  | -            | H                |                | _                | -         | $\vdash$   | Н   |   | -           | 72       | -        |          | H                           | _            |   | ╁        | -  | ┢        | ⊢            |
|    | 22       | <u> </u>     | <u> </u>   | <u> </u>     | $\vdash$         | _              | _                |           | _  | Н   |   |             | 72       | ├        | _        | -                           |              | _   | -        | ⊢  | -        | ⊢            |
|    | 23       |              | _  | _            |                  |                | _                |           |  | Ш   |   |             | 73       |          |          | _                           |              | <u> </u>  | <u> </u> | -  | ⊢        | <u> </u>     |
|    | 24       |              | 1  |              |                  |                | L                |           |  | Ш   |   |             | 74       |          | _        |                             |              | L.  |          | <u> </u>   |          |              |
|    | 25       |              |  |              |                  |                |                  |           |  | ll  |   |             | 75       |          |          |                             |              |   | L        |  | L        |              |
|    | 26       |              |  |              |                  | Г              |                  |           |  |   |   |             | 76       |          |          |                             |              |   |          |  |          |              |
| _  | 27       |              | 一  |              |                  |                |                  |           |  | П   |   |             | 77       |          |          | Г                           |              |   |          |  |          | Г            |
| _  | 28       | ╁            | 一  | _            | $\vdash$         | _              | _                |           | Н  | Н   |   |             | 78       | $\vdash$ | _        | 1                           |              | $\vdash$  | ├        |  |          | Г            |
| _  | 20       | ┢            | ╁  | -            | -                |                | -                |           | -  | Н   |   |             | 79       | +-       | $\vdash$ | ┪                           |              | ╁╴  | $\vdash$ | _  | ┢        | ⊢            |
|    | 29       | _            | -  | _            | _                | <del>  -</del> | <u> </u>         | $\vdash$  | -  | Н   |   |             | 79       | ┝        | ⊢        | ├                           | -            | ⊢   | ┢        | ├-   | ⊢        | ₩            |
|    | 30       | _            | <u> </u>   | <u> </u>     | <u> </u>         | <u> </u>       | L                | _         | _  | Ш   |   |             | 80       | _        | _        | <u> </u>                    | <u> </u>     | ļ   | ┢        | ├  | ⊢        | ├-           |
|    | 31       | ·            |  |              |                  |                | _                |           | L_   | Ш   |   |             | 81       |          | _        | _                           | _            | <u> </u>  | <u> </u> | L  | <u> </u> | <u> </u>     |
|    | 32       | Γ            |  |              |                  |                |                  |           |  |   |   |             | 82       |          |          |                             |              |   |          | L  | 乚        |              |
| _  | 33       | Π            |  |              |                  |                |                  |           | Ι  | $\Box$  |   |             | 83       |          |          |                             |              |   |          |  | L        | L            |
| _  | 34       | $\vdash$     |  |              | 1                | Т              |                  |           | ┢  | П   |   |             | 84       | Г        |          |                             | $\Box$       |   |          |  |          |              |
|    | 35       | $\vdash$     | <del>                                     </del> | <del> </del> |                  | $\vdash$       | $\vdash$         |           |  | Н   |   |             | 85       | $\vdash$ | Т        | <b></b>                     | Т            |   |          | T  | $\Box$   |              |
|    | 36       | $\vdash$     | -  | $\vdash$     | -                | $\vdash$       | <del>  -  </del> | -         | <del>                                     </del> | Н   |   | $\vdash$    | 86       | -        | -        | $\vdash$                    | _            | T   | $t^{-}$  | T  | T        | $\vdash$     |
| _  |          | -            | $\vdash$   | $\vdash$     | <del> </del> —   | $\vdash$       | <del> </del>     | -         | <del>                                     </del> | $\vdash$  |   |             | 87       | +-       | $\vdash$ | $\vdash$                    | $\vdash$     | $\vdash$  | $\vdash$ | +  | ├-       | $\vdash$     |
| _  | 37       | -            | <del> </del>                                     | <u> </u>     | <u> </u>         | $\vdash$       | <del> </del>     | $\vdash$  | $\vdash$   | $\vdash$  |   | <u> </u>    | 101      | ├-       | $\vdash$ | -                           | $\vdash$     | +-  | +-       | $\vdash$   |          | +-           |
| _  | 38       | <b>!</b>     | <del> </del>                                     | <b> </b>     | <b> </b>         | <b> </b>       | _                | <u> </u>  | <u> </u>   | Ш   |   | <u></u>     | 88       |          | ⊢        | -                           | <u> </u>     | -   | $\vdash$ | ╀  | ₩        | <b>}</b> —   |
|    | 39       | $\perp$      | <u>L</u>   | <u></u>      | 1                |                | L.               | _         | $oxed{oxed}$                                     | Ш   |   | <u> </u>    | 89       | ┞        | <u> </u> | _                           | ᆫ            |   | ┺        | <del> </del> _                                   | ₩        | <b>!</b> —   |
|    | 40       | L            |  | L            | <u> </u>         | L              | L                | L         |  | $oldsymbol{ol{ol{ol}}}}}}}}}}}}}}}}}$ |   |             | 90       | L        |          | 乚                           |              | L   | L        | <u> </u>   | Ц        | $oxed{oxed}$ |
|    | 41       | Π            | Т  |              |                  |                | Γ                |           | Г  | П   |   |             | 91       |          |          | Γ                           |              | Γ   |          |  | $L^{-}$  | $L^{-}$      |
|    | 42       | T            |  | Т            | 1                | 1              |                  | П         | Τ  | П   |   |             | 92       | П        |          | 1                           |              | Π   |          | Г  |          | Π            |
| -  | 43       | T            | †  | $\vdash$     | <del>  -  </del> | $\vdash$       | $\vdash$         | $t^{-}$   |  | $\vdash \vdash$   |   |             | 93       | T        |          | Π                           | Г            | 1   | T        | T  | 1        | Т            |
| _  | 44       | +            | +  | +-           | $\vdash$         | <del> </del>   | +                | -         | $\vdash$   | $\vdash$  |   | <u> </u>    | 94       | 1        | $\vdash$ | $\vdash$                    | Н            | +-  | +        | t  | +-       | $\vdash$     |
| _  |          | ₩            | ₩  | <b>├</b> ─   | ├-               | -              | -                | ├—        | ⊢  | Н   |   |             |          | ╁        | ╌        | ┢                           | H            | ╁╾  | ╀        | ╫  | ╁        | ╁            |
|    | 45       | ـــ          | ╀  | -            | -                | ₩              | ⊢                | $\vdash$  | $\vdash$   | ₩   |   |             | 95       | $\vdash$ | -        | -                           | -            | +   | ╁        | +-   | +        | ╀            |
| _  | 46       | ┖            | $\perp$  | _            | _                | <b>_</b>       | ↓_               | L.        | $\vdash$   | Ш   |   |             | 96       | ╙        | <u> </u> | <b>⊢</b>                    | <b>L</b>     | ╄   |          | $\vdash$   | $\vdash$ |              |
| _  | 47       | L            | L  | L            | L                | L              |                  | L         |  | Ш   |   |             | 97       | L        | <u> </u> |                             | $oxed{oxed}$ | _   |          | _  | _        | 丄            |
|    | 48       |              |  |              |                  |                |                  |           |  |   |   | L           | 98       |          | L        | $L^{\scriptscriptstyle{-}}$ |              | $oldsymbol{ol}}}}}}}}}}}}}} $ | $L^{-}$  | L  | L        | L            |
|    | 49       | T            | Т  | Г            | Π                |                | Г                | Ī         |  | П   |   |             | 99       |          | Π        | Γ                           | Γ            | Γ   | Γ        | Γ  | Г        |              |
|    | 50       | T            | T  | 1            | Т                | T              | <b>†</b>         | Г         |  | П   |   |             | 100      | T        | Т        | T                           | Г            | T   | Τ        | T  |          | Т            |
| -  | 1        |              | -  | _            |                  |                | —                | -         | _  | لــــــــــــــــــــــــــــــــــــــ   |   |             |          | _        | ٠        |                             |              | •   |          | -  | -        |              |

| Cla         | aim                                    |          |            |  |            | Date       | <del>-</del> |          |               | $\neg$   |
|-------------|--|----------|------------|--|------------|------------|--------------|----------|---------------|--|
|             |  |          |            |  |            |            |              |          |               |  |
| Jal         | Original                               |          |            |  |            |            |              | 1        |               |  |
| Final       | rig                                    |          |            |  |            |            |              |          |               |  |
|             |  |          |            |  |            |            |              |          |               |  |
|             | 101<br>102                             |          |            |  |            |            |              |          |               |  |
|             | 102                                    |          |            |  |            |            |              |          |               | Ш  |
|             | 103                                    |          |            |  |            |            |              |          |               |  |
|             | 104<br>105                             | Ш        |            | <u></u>  |            |            |              | _        |               | Ш  |
|             | 105                                    |          |            |  |            | _          |              |          |               |  |
|             | 106                                    |          | ·          | _  | _          | _          |              |          |               | Щ  |
|             | 107                                    |          | <u> </u>   | <u> </u>   |            | $\vdash$   | $\perp$      |          | Н             | -  |
|             | 108<br>109                             | Ш        |            | <u> </u>   | _          | <u> </u>   | $\vdash$     |          | H             | -  |
|             | 109                                    |          |            | ⊢  |            | -          | _            | _        |               | $\vdash$   |
|             | 110<br>111                             | H        |            | <u> </u>   |            | -          |              |          | Н             | $\vdash$   |
| _           | 111                                    | $\vdash$ | -          |  | H          |            | $\vdash$     | _        | Н             | $\vdash$   |
| -           | 112<br>113                             | $\vdash$ | $\vdash$   | -  | -          | $\vdash$   | -            | _        | Н             | Н  |
|             | 114                                    | $\vdash$ | -          |  | -          | -          | -            | _        | -             | $\vdash \vdash \mid$                             |
|             | 115                                    |          | ┝          | ╁  | -          | ┝          |              |          | $\vdash$      | Н  |
| -           | 115<br>116                             | $\vdash$ | -          | $\vdash$   | -          | -          | -            |          | $\vdash$      | $\vdash \vdash$                                  |
|             | 117                                    | ┝        | -          | 一  | $\vdash$   | $\vdash$   | -            | -        |               | $\vdash$   |
|             | 118                                    | $\vdash$ | -          | $\vdash$   |            | ┢          | $\vdash$     |          | $\vdash$      | H  |
|             | 118<br>119                             | Н        | -          | $\vdash$   |            |            | $\vdash$     | _        | -             | М  |
|             | 120                                    | $\vdash$ | _          | <u> </u>   | $\vdash$   | Т          | $\vdash$     | _        |               | Н  |
|             | 121                                    | $\vdash$ | H          |  |            | Н          | Г            |          | $\vdash$      | М  |
|             | 122                                    | $\vdash$ |            | <del>                                     </del> |            |            | Г            |          | $\overline{}$ | $\Box$   |
|             | 123                                    | Г        | Г          |  | Г          |            | $\Box$       | -        | Г             | П  |
|             | 120<br>121<br>122<br>123<br>124<br>125 | Г        |            | Γ  |            |            |              |          | Г             |  |
|             | 125                                    |          |            |  |            |            |              |          |               |  |
|             | 126<br>127<br>128<br>129<br>130        |          |            |  |            |            | 匚            |          | L             | Ш  |
|             | 127                                    |          |            |  |            |            |              |          |               |  |
|             | 128                                    |          |            | L  | _          | <u> </u>   |              |          | L             |  |
| L           | 129                                    | _        | l          | L  | L          | <u> </u>   | <u> </u>     | <u> </u> | <u> </u>      |  |
| <u> </u>    | 130                                    | ļ        | ļ          | _  | <u> </u>   | <u> </u>   | ╙            | _        | <u> </u>      | $oxed{oxed}$                                     |
|             | 131                                    | <u> </u> | L          | ـــ  | <b> </b> _ | <b> </b>   | <u> </u>     | _        | _             | ļ.,  |
|             | 132<br>133                             | ┡        | <b>!</b> _ | _  | ┞          | ļ          | L            | _        | -             | _  |
|             | 133                                    | _        | <u> </u>   | ⊢  | ┡          | <u> </u>   | ┡            | <u> </u> | -             | ┝  |
| <u> </u>    | 134                                    | -        | $\vdash$   | -  | -          | <b>}</b> — | $\vdash$     | _        | ├-            | $\vdash$   |
| ⊢           | 135<br>136                             | -        | -          | $\vdash$   | -          | $\vdash$   | -            | $\vdash$ | $\vdash$      | $\vdash$   |
| <u> </u>    | 130                                    | ┼        | -          | +  | $\vdash$   | ╀          | $\vdash$     | -        | <del> </del>  | <del>  -</del>                                   |
| -           | 137<br>138                             | $\vdash$ | $\vdash$   | ╁╌   | $\vdash$   | +          | +-           | $\vdash$ | $\vdash$      | $\vdash$   |
| <u> </u>    | 139                                    | +        | $\vdash$   | +  | 1          | ╁          | +-           | -        | +-            | <del>  -  </del>                                 |
| <u> </u>    | 140                                    | +-       | -          | t  | $\vdash$   | +          | t            | t        | $\vdash$      | $\vdash$   |
|             | 141                                    | $\vdash$ | 1          | $t^{-}$  | $\vdash$   | T          | $\vdash$     | $\vdash$ | 1             | <del>                                     </del> |
| $\vdash$    | 142                                    | $\vdash$ | t          | 1-   | $\vdash$   | T          | $t^{-}$      | T        | T             | T  |
| <u> </u>    | 143                                    | T        | T          | T  | 1          | T          | $\vdash$     | 1        | $\top$        |  |
|             | 144                                    | $\vdash$ | Τ          | †  | T          | 1          | $\vdash$     |          | $\top$        |  |
|             | 145                                    | $\vdash$ | Τ          | $\top$   | $\vdash$   | T          | T            | T        |               | 1  |
|             | 146                                    | T        | Τ          | $\top$   | T          | T          |              |          | $\top$        | $\sqcap$   |
|             | 147                                    | T        | 1          | 1  | Τ          | Τ          | Т            | Г        | T             | $\top$   |
|             | 148                                    | T        | 1          | Τ  | T          | Τ          | T            | Ī        | T             |  |
|             | 149                                    | T        | Т          |  |            |            |              |          |               |  |
|             | 150                                    |          | Γ          | I  |            | L          |              |          | oxdot         |  |
| <del></del> |  |          | •          | _  | •          |            | -            | •        |               |  |